

**WHAT IS CLAIMED IS:**

1                    1.     A compound having the formula:



3                    wherein

4                      Ab is an antibody;

5 G is an intact glycosyl linking group covalently joining Ab to L;

6 L is a bond or a spacer moiety covalently joining G to T; and

7                    T is a toxin.

1                    2.        The compound according to claim 1, wherein said linker moiety is a  
2        member selected from substituted or unsubstituted alkyl, substituted or unsubstituted  
3        heteroalkyl and substituted or unsubstituted aryl moieties.

1                    3.        The compound according to claim 2, wherein said linker moiety  
2 comprises a poly(ethylene glycol) moiety.

1                    4.        The compound according to claim 1, wherein L has the formula:



3                    wherein

4 L<sup>1</sup> is a bond or a linker moiety covalently joining S to A;

5           A is an amplifier moiety; and

6  $L^2$  is a bond or a spacer moiety covalently adjoining A to T.

1                    5.        The compound according to claim 4, wherein said amplifier moiety is a  
2        polyamine moiety.

1                    6.        The compound according to claim 5, wherein said polyamine moiety is  
2        a dendrimer.

1                    7.        The compound according to claim 4, having the formula:



3                    wherein

4 PEG is a straight- or branched-chain poly(ethylene glycol);

5             $m$  is an integer from 1 to 6; and

6            n is an integer from 1 to 1,000.

8. The compound according to claim 4, having the formula:

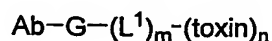


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

9. The compound according to claim 4, having the formula:

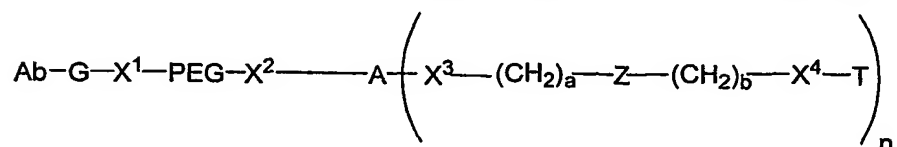


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

10. The compound according to claim 1, having the formula:



wherein

$\text{X}^1$ ,  $\text{X}^2$  and  $\text{X}^4$  are linking groups and are members selected from the group consisting of O, S, NH,  $(\text{CH}_2)_q\text{-NH}$ ,  $\text{NH-(CH}_2\text{)}_q$ ,  $\text{NH-C(O)-O}$ ,  $\text{O-C(O)-NH}$ ,  $(\text{CH}_2)_q\text{-NH-C(O)-O}$ ,  $\text{O-C(O)-NH-(CH}_2\text{)}_q$ ,  $\text{C(O)-O}$ ,  $\text{O-C(O)}$ ,  $(\text{CH}_2)_q\text{-NH-C(O)}$ ,  $\text{C(O)-NH-(CH}_2\text{)}_q$ ,  $\text{NH-C(S)}$ , and  $\text{C(S)-NH}$

and wherein

A is an amplifier moiety;

Z is a bond cleaved by a metabolic/physiological process;

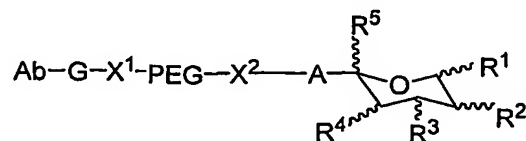
n is an integer from 1 to 1,000;

a is an integer from 1 to 10;

b is an integer from 1 to 10; and

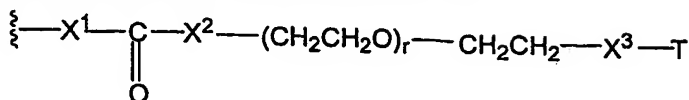
q is an integer from 0 to 20.

11. The compound according to claim 1, having the formula:



wherein

at least one of  $R^1, R^2, R^3, R^4, R^5$ , is :



wherein

$r$  is an integer from 1 to 2,500;

$Z^1$  is selected from the group consisting of O, S, and NH;

$Z^2$  is selected from the group consisting of NH, and  $\text{NH}-(\text{CH}_2)_q$ ;

and

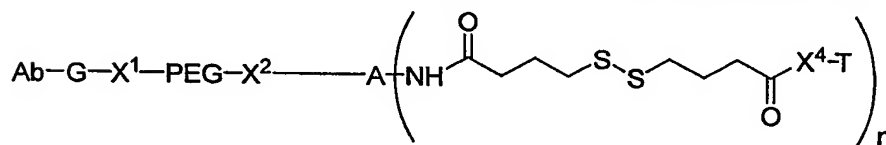
$X^1, X^2$  and  $X^3$  are linking groups and are members selected from the group consisting of O, S, NH,  $(\text{CH}_2)_q\text{-NH}$ ,  $\text{NH}-(\text{CH}_2)_q$ ,  $\text{NH-C(O)-O}$ ,  $\text{O-C(O)-NH}$ ,  $(\text{CH}_2)_q\text{-NH-C(O)-O}$ ,  $\text{O-C(O)-NH}-(\text{CH}_2)_q$ ,  $\text{C(O)-O}$ ,  $\text{O-C(O)}$ ,  $(\text{CH}_2)_q\text{-NH-C(O)}$ ,  $\text{C(O)-NH}-(\text{CH}_2)_q$ ,  $\text{NH-C(S)}$ , and  $\text{C(S)-NH}$

wherein

$n$  is an integer from 1 to 1,000; and

$q$  is an integer from 0 to 20.

12. The compound according to claim 1, having the formula:



wherein

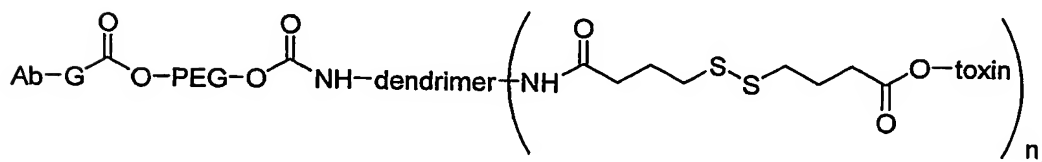
$X^1, X^2$  and  $X^4$  are linking groups and are members selected from the group consisting of O, S, NH,  $(\text{CH}_2)_q\text{-NH}$ ,  $\text{NH}-(\text{CH}_2)_q$ ,  $\text{NH-C(O)-O}$ ,  $\text{O-C(O)-NH}$ ,  $(\text{CH}_2)_q\text{-NH-C(O)-O}$ ,  $\text{O-C(O)-NH}-(\text{CH}_2)_q$ ,  $\text{C(O)-O}$ ,  $\text{O-C(O)}$ ,  $(\text{CH}_2)_q\text{-NH-C(O)}$ ,  $\text{C(O)-NH}-(\text{CH}_2)_q$ ,  $\text{NH-C(S)}$ , and  $\text{C(S)-NH}$

wherein

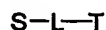
$n$  is an integer from 1 to 1,000; and

$q$  is an integer from 0 to 20.

13. The compound according to claim 12, having the formula:



14. A compound having the formula:



wherein

S is a nucleotide sugar

L is a bond or a spacer moiety covalently joining S to T; and

T is a toxin moiety.

15. The compound according to claim 14, wherein said spacer moiety is a member selected from substituted or unsubstituted alkyl, substituted or unsubstituted heteroalkyl and substituted or unsubstituted aryl moieties.

16. The compound according to claim 15, wherein said spacer moiety comprises a poly(ethylene glycol) moiety.

17. The compound according to claim 14, wherein L has the formula:



wherein

$L^1$  is a bond or a spacer moiety covalently joining S to A;

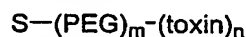
A is an amplifier moiety; and

$L^2$  is a bond or a spacer moiety covalently joining A to T.

18. The compound according to claim 17, wherein said amplifier moiety is a polyamine moiety.

19. The compound according to claim 18, wherein said polyamine moiety is a dendrimer.

20. The compound according to claim 17, having the formula:



wherein

PEG is a straight- or branched-chain poly(ethylene glycol);

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

21. The compound according to claim 17, having the formula:

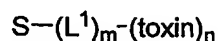


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

22. The compound according to claim 17, having the formula:

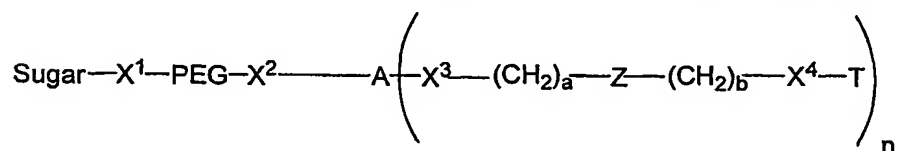


wherein

m is an integer from 1 to 6; and

n is an integer from 1 to 1,000.

23. The compound according to claim 22, having the formula:



wherein

$X^1$ ,  $X^2$  and  $X^3$  are linking groups and are members selected from the group consisting of O, S,  $\text{NH}(\text{CH}_2)_q\text{-NH}$ ,  $\text{NH}-(\text{CH}_2)_q$ ,  $\text{NH-C(O)-O}$ ,  $\text{O-C(O)-NH}$ ,  $(\text{CH}_2)_q\text{-NH-C(O)-O}$ ,  $\text{O-C(O)-NH}-(\text{CH}_2)_q$ ,  $\text{C(O)-O}$ ,  $\text{O-C(O)}$ ,  $(\text{CH}_2)_q\text{-NH-C(O)}$ ,  $\text{C(O)-NH}-(\text{CH}_2)_q$ ,  $\text{NH-C(S)}$ , and  $\text{C(S)-NH}$

and wherein

A is an amplifier moiety;

Z is a bond cleaved by a metabolic/physiological process;

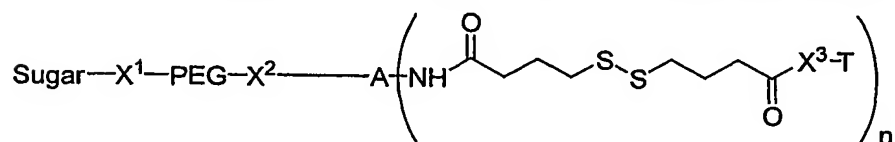
n is an integer from 1 to 1,000;

a is an integer from 1 to 10;

b is an integer from 1 to 10; and

q is an integer from 0 to 20.

24. The compound according to claim 14, having the formula:



wherein

$X^1$ ,  $X^2$  and  $X^3$  are linking groups and are members selected from the group consisting of O, S,  $\text{NH}(\text{CH}_2)_q\text{-NH}$ ,  $\text{NH}-(\text{CH}_2)_q$ ,  $\text{NH-C(O)-O}$ ,

6 O-C(O)-NH, (CH<sub>2</sub>)<sub>q</sub>-NH-C(O)-O, O-C(O)-NH-(CH<sub>2</sub>)<sub>q</sub>, C(O)-O,  
 7 O-C(O), (CH<sub>2</sub>)<sub>q</sub>-NH-C(O), C(O)-NH-(CH<sub>2</sub>)<sub>q</sub>, NH-C(S), and C(S)-NH  
 8 wherein  
 9 q is an integer from 0 to 20.

1 25. The compound according to claim 24, having the formula:

